

#2  
2-25-00  
M

780.29643CX4

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Thomas J. CAMPANA, Jr. et al  
Serial No.: To Be Assigned  
(Concurrently Herewith)  
Filed: December 6, 1999  
(Concurrently Herewith)  
For: ELECTRONIC MAIL SYSTEM WITH RF  
COMMUNICATIONS TO MOBILE PROCESSORS  
Group: 2744 (Previous)  
Examiner: William Trost (Previous)

SUBMISSION OF FORMAL DRAWINGS

Assistant Commissioner  
for Patents  
Washington, D. C. 20231

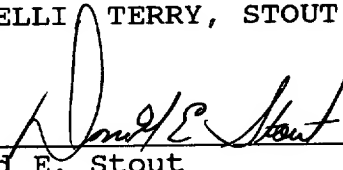
December 6, 1999

Sir:

Submitted herewith are twelve (12) sheets of Formal Drawings (non-bristol boards) showing Figs. 1-12 in the above-identified application in compliance with the provisions of Rule 84.

Respectfully submitted,

ANTONELLI TERRY, STOUT & KRAUS, LLP

  
\_\_\_\_\_  
Donald E. Stout  
Registration No. 26,422  
(703) 312-6600

DES:dlh

659021 60455160  
659021 60455160

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Thomas J. CAMPANA, Jr. et al  
Serial No.: To Be Assigned  
(Concurrently Herewith)  
Filed: December 6, 1999  
(Concurrently Herewith)  
For: ELECTRONIC MAIL SYSTEM WITH RF  
COMMUNICATIONS TO MOBILE PROCESSORS  
Group: 2744 (Previous)  
Examiner: William Trost (Previous)

SUBMISSION OF FORMAL DRAWINGS

Assistant Commissioner  
for Patents  
Washington, D. C. 20231

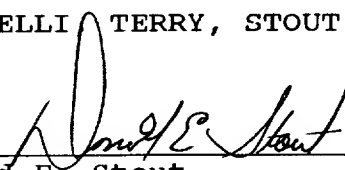
December 6, 1999

Sir:

Submitted herewith are twelve (12) sheets of Formal Drawings (non-bristol boards) showing Figs. 1-12 in the above-identified application in compliance with the provisions of Rule 84.

Respectfully submitted,

ANTONELLI TERRY, STOUT &amp; KRAUS, LLP

  
\_\_\_\_\_  
Donald E. Stout  
Registration No. 26,422  
(703) 312-6600

DES:dlh

780.29643X00  
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Inventors: THOMAS J. CAMPANA, JR., MICHAEL P. PONSCHKE,  
and GARY F. THELEN

Invention: ELECTRONIC MAIL SYSTEM WITH RF  
COMMUNICATIONS TO MOBILE PROCESSORS

Antonelli, Terry, Stout & Kraus  
Suite 600  
1919 Pennsylvania Avenue, N. W.  
Washington, D. C. 20006

SPECIFICATION

To all whom it may concern:

Be it known that We, Thomas J. Campana, Jr., Michael P. Ponschke, and Gary F. Thelen, citizens of the United States, residing respectively at 3836 West 86th Street, Chicago, Illinois 60652; 212 Tara Drive, Lockport, Illinois 60441; and 16 Fox Lane, Palos Park, Illinois 60464; have invented certain new and useful improvements in

ELECTRONIC MAIL SYSTEM WITH RF  
COMMUNICATIONS TO MOBILE PROCESSORS

of which the following is a specification.

60441-60551-60  
60551-60661-60

FIG. 1

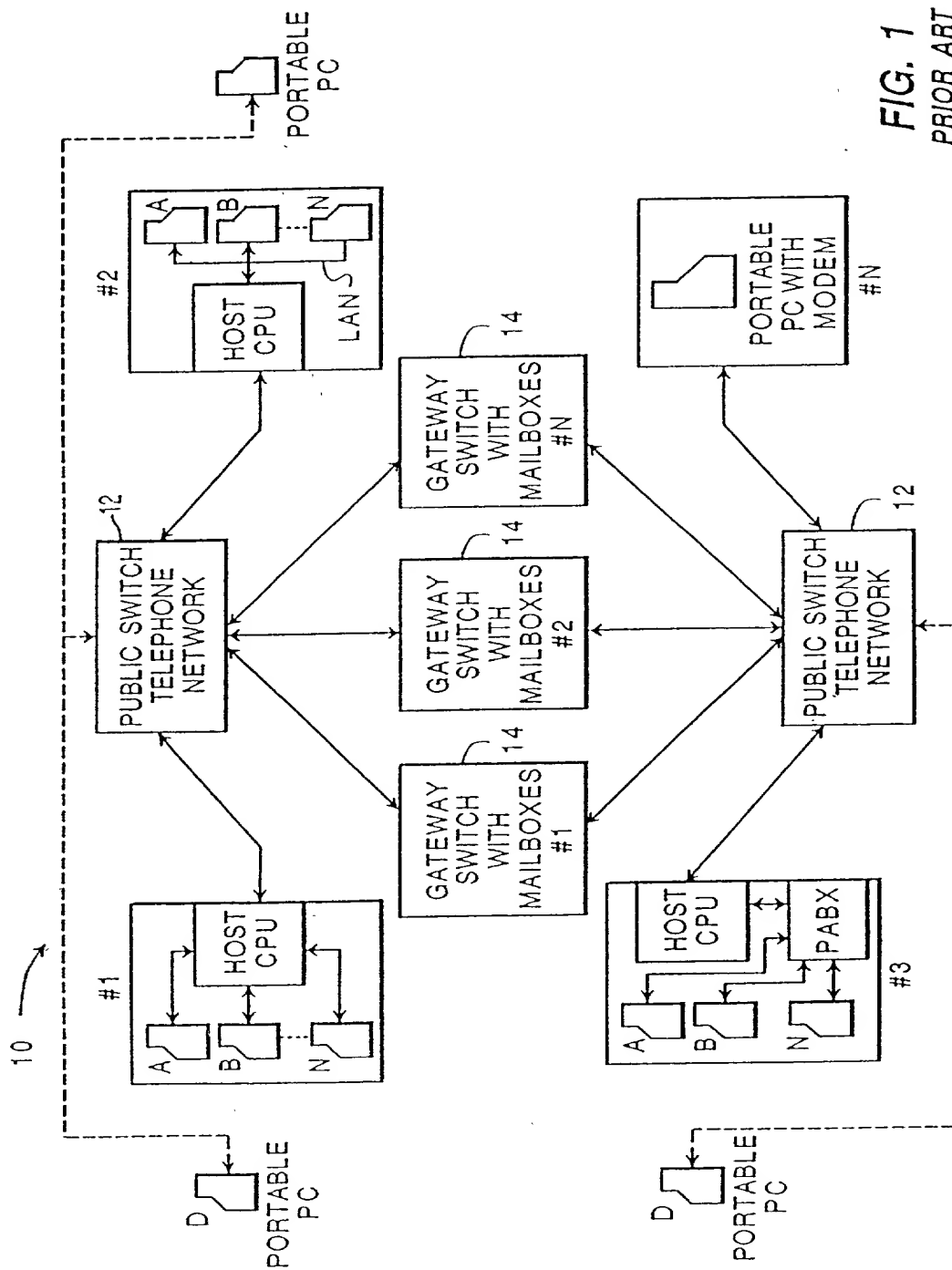
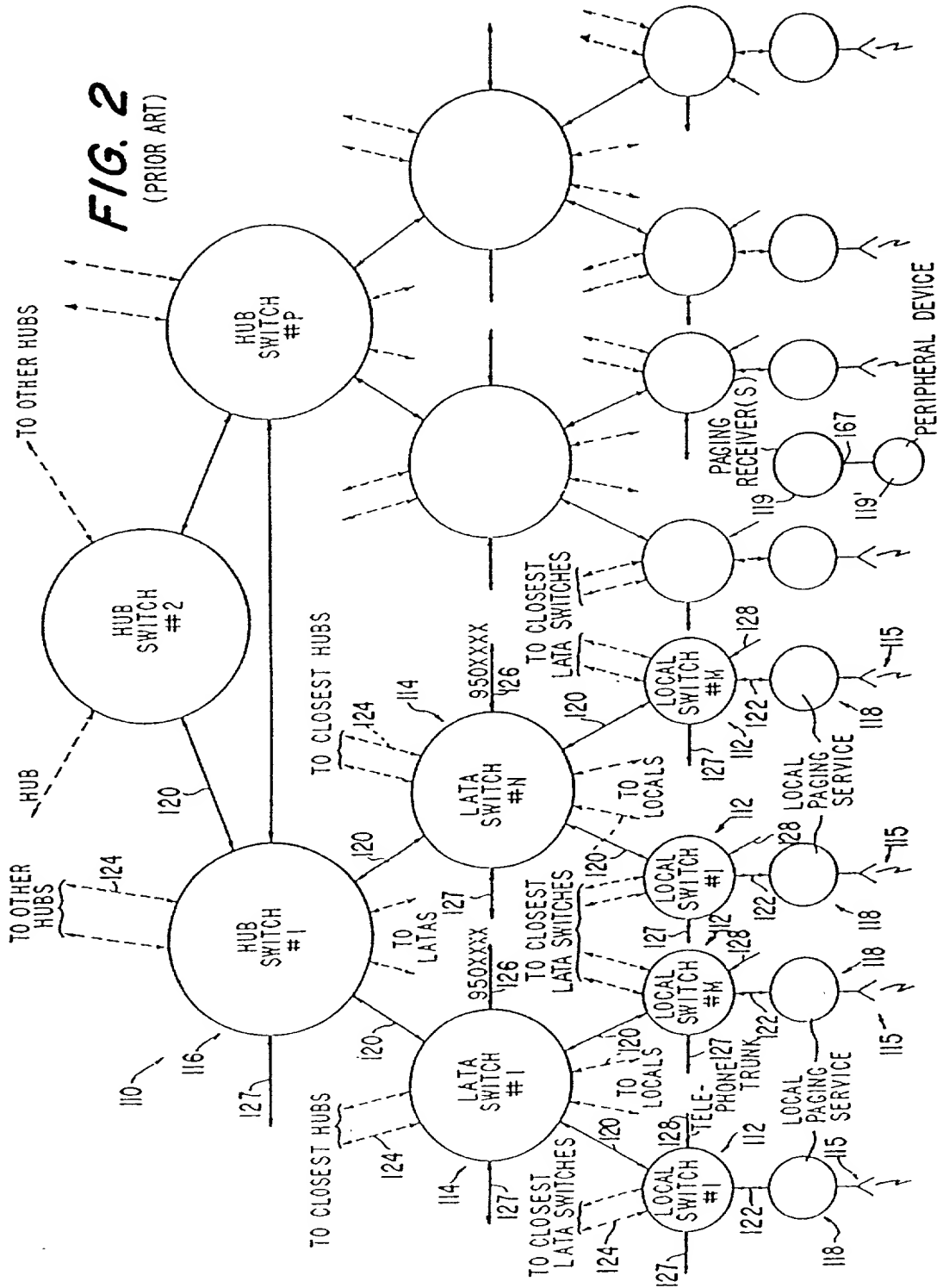


FIG. 1  
PRIOR ART

FIG. 2



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

FIG. 3

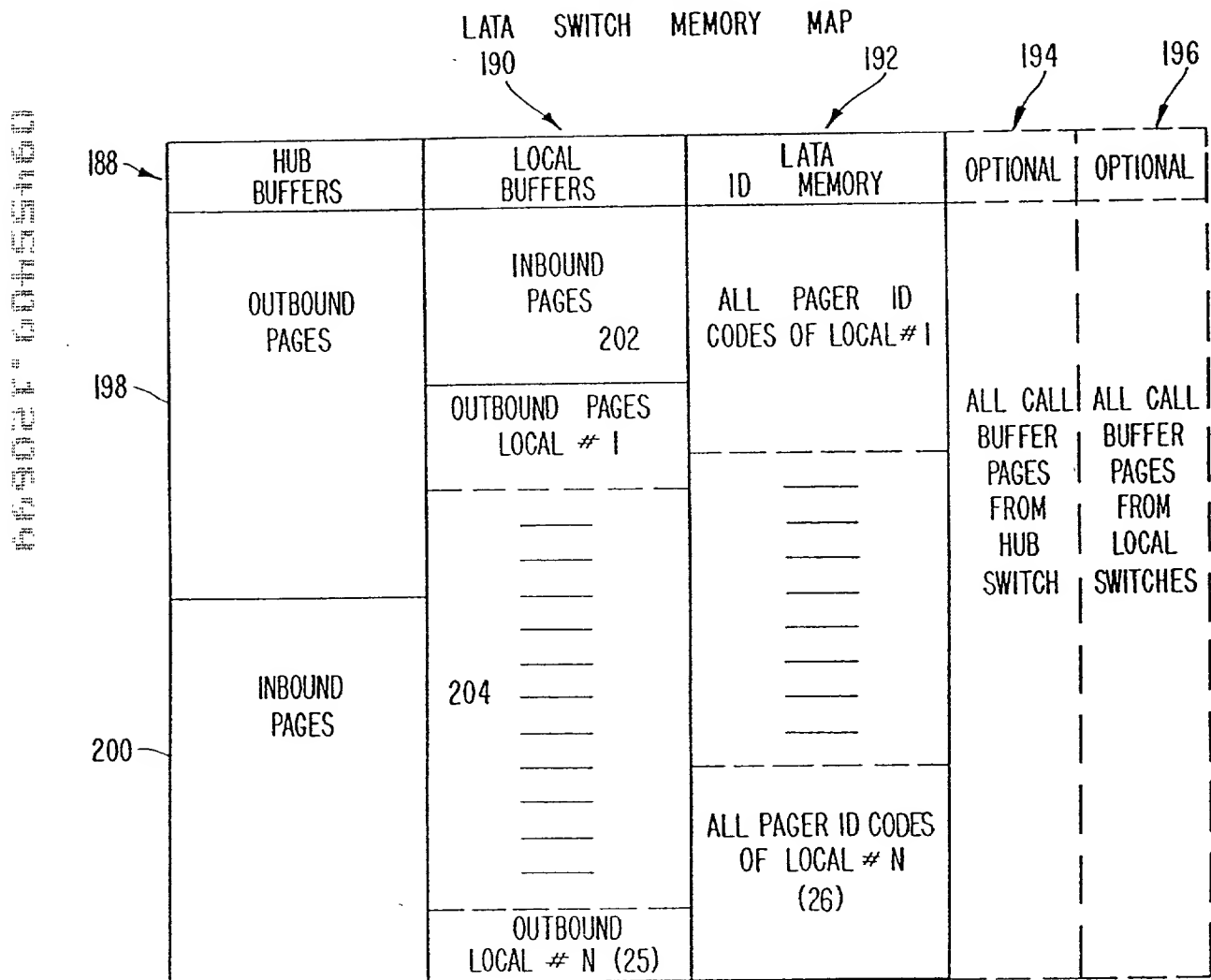
(PRIOR ART)

LOCAL SWITCH MEMORY MAP

SUBSCRIBER FILES N (9999)	FREQUENCY FILES N (1000)	LATA BUFFERS	LOCAL BUFFERS
<div> <div>162</div> <div>164</div> <div>166</div> <div>168</div> </div> <div> <div>① FILE # 1 (0,000)</div> <div>② TELEPHONE #</div> <div>③ SUBSCRIBER AND PAGER ID CODE</div> <div>④ SERVICE OPTIONS</div> <div> <div>a NO SERVICE</div> <div>b LOCAL</div> <div>c REGIONAL</div> <div>d NATIONAL</div> <div>e ABOVE WITH</div> </div> <div>REPEAT PAGING</div> <div>f DATA SERVICE</div> <div>g EXTERNAL DATA</div> <div>⑤ SUBSCRIBER NAME/ACCOUNT</div> <div>⑥ ACCOUNT #</div> <div>⑦ PAGE COUNT (L,R,N)</div> <div>⑧ # OF DATA CHARACTERS SENT</div> <div>⑨ DESTINATIONS AREA CODE(S)</div> </div>	<div> <div>156</div> <div>158</div> <div>160</div> </div> <div> <div>1 FILE 1 (1,000)</div> <div>2 0-15 FRE-</div> <div>QUENCIES USED</div> <div>IN REGION COR-</div> <div>RESPONDING TO</div> <div>FILE #</div> </div>	<div> <div>INBOUND</div> <div>LATA</div> <div>BUFFER</div> </div> <div>180</div> <div> <div>OUTBOUND</div> <div>LATA</div> <div>BUFFER</div> </div> <div>182</div>	<div>184</div> <div>INBOUND</div> <div>PAGES</div> <div>0</div> <div>1</div> <div>2</div> <div>3</div> <div>4</div> <div>5</div> <div>6</div> <div>7</div> <div>8</div> <div>9</div>
<div>170</div> <div>172</div> <div>174</div> <div>176</div> <div>178</div> <div>FILE # N (9999)</div>	<div>FILE # N (999)</div>		

**FIG. 4**

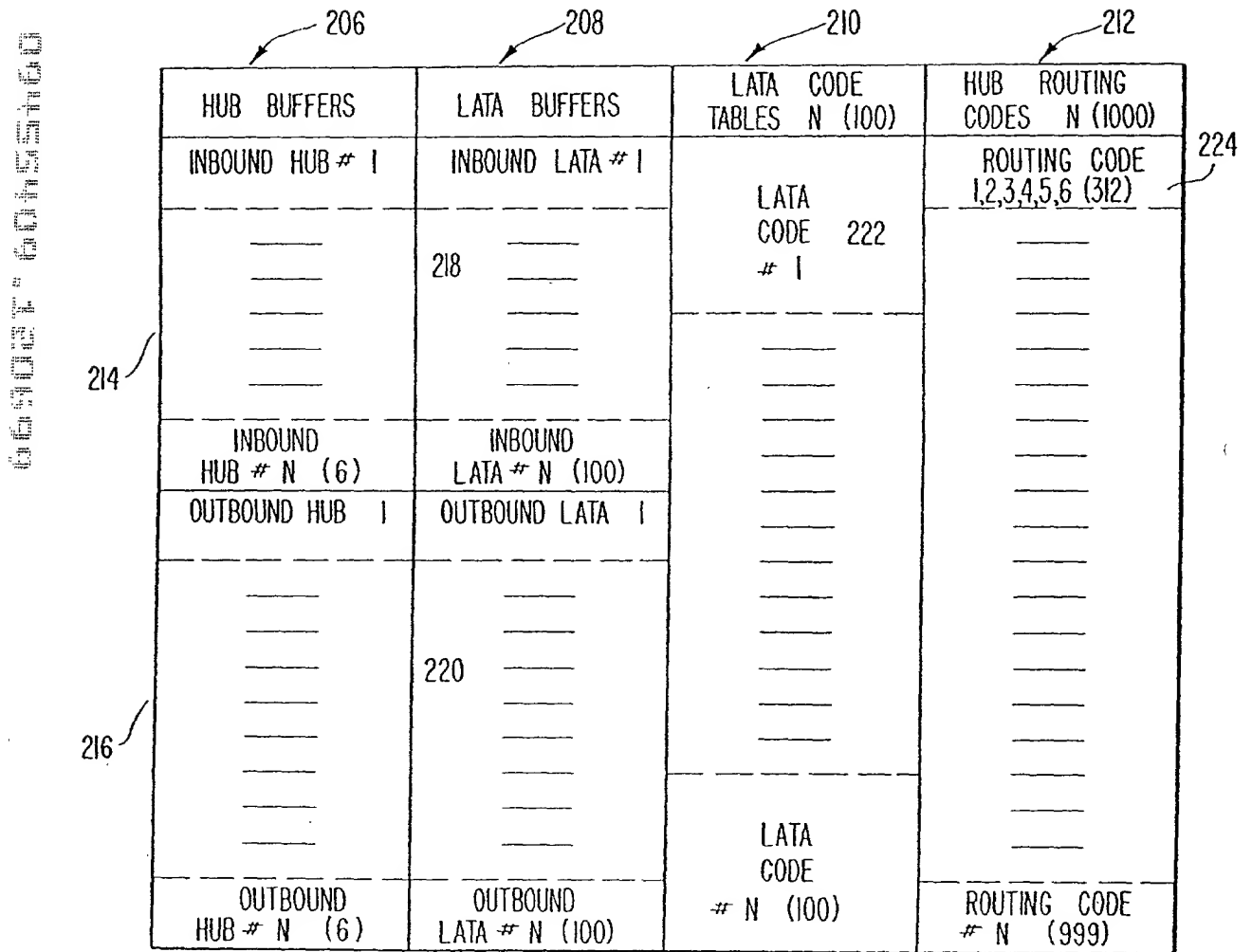
(PRIOR ART)



**FIG. 5**

(PRIOR ART)

HUB SWITCH MEMORY MAP



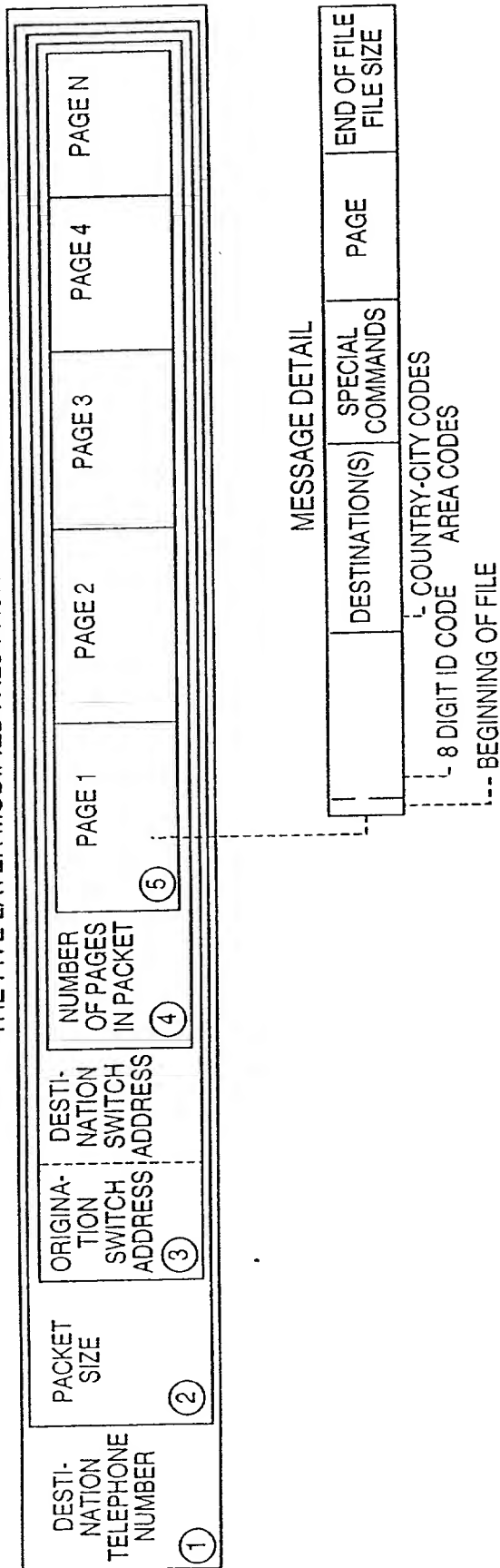


APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

Packet Construction

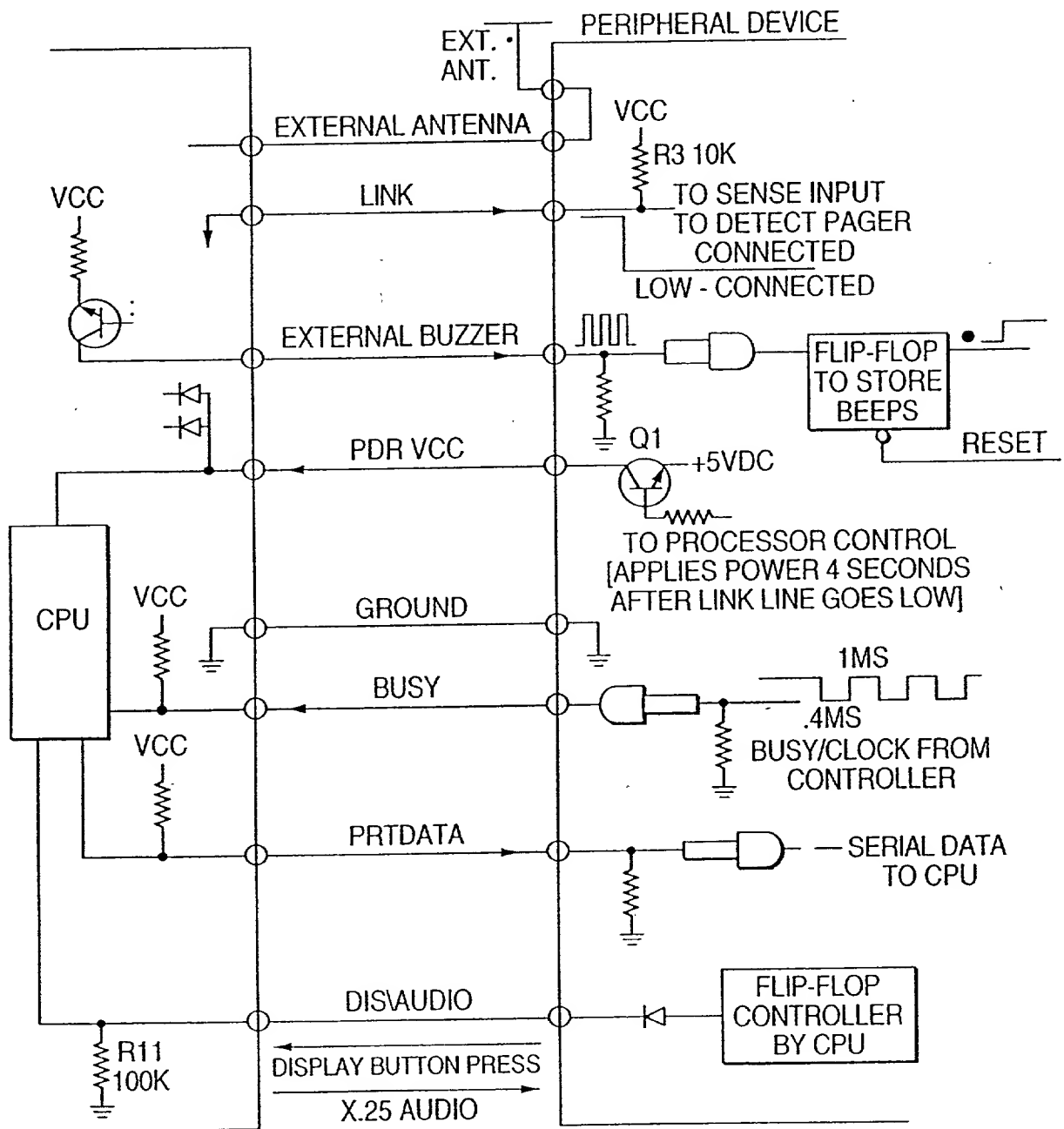
**FIG. 6**  
PRIOR ART

THE FIVE LAYER MODIFIED X.25 PACKET



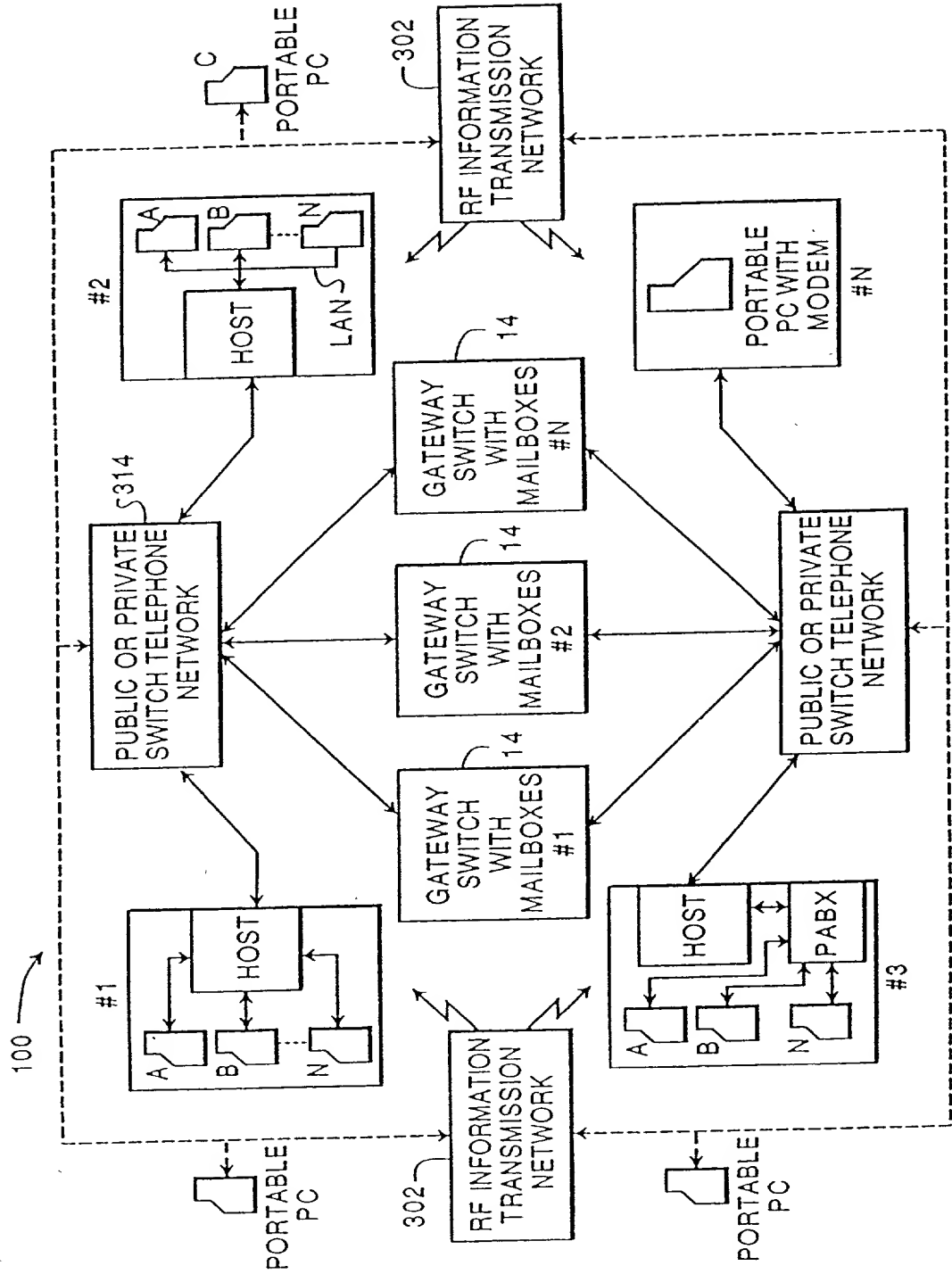
APPROVED	O.G. FIG.
BY	CLASS SUBCLASS
DRAFTSMAN	

**FIG. 7**  
PRIOR ART



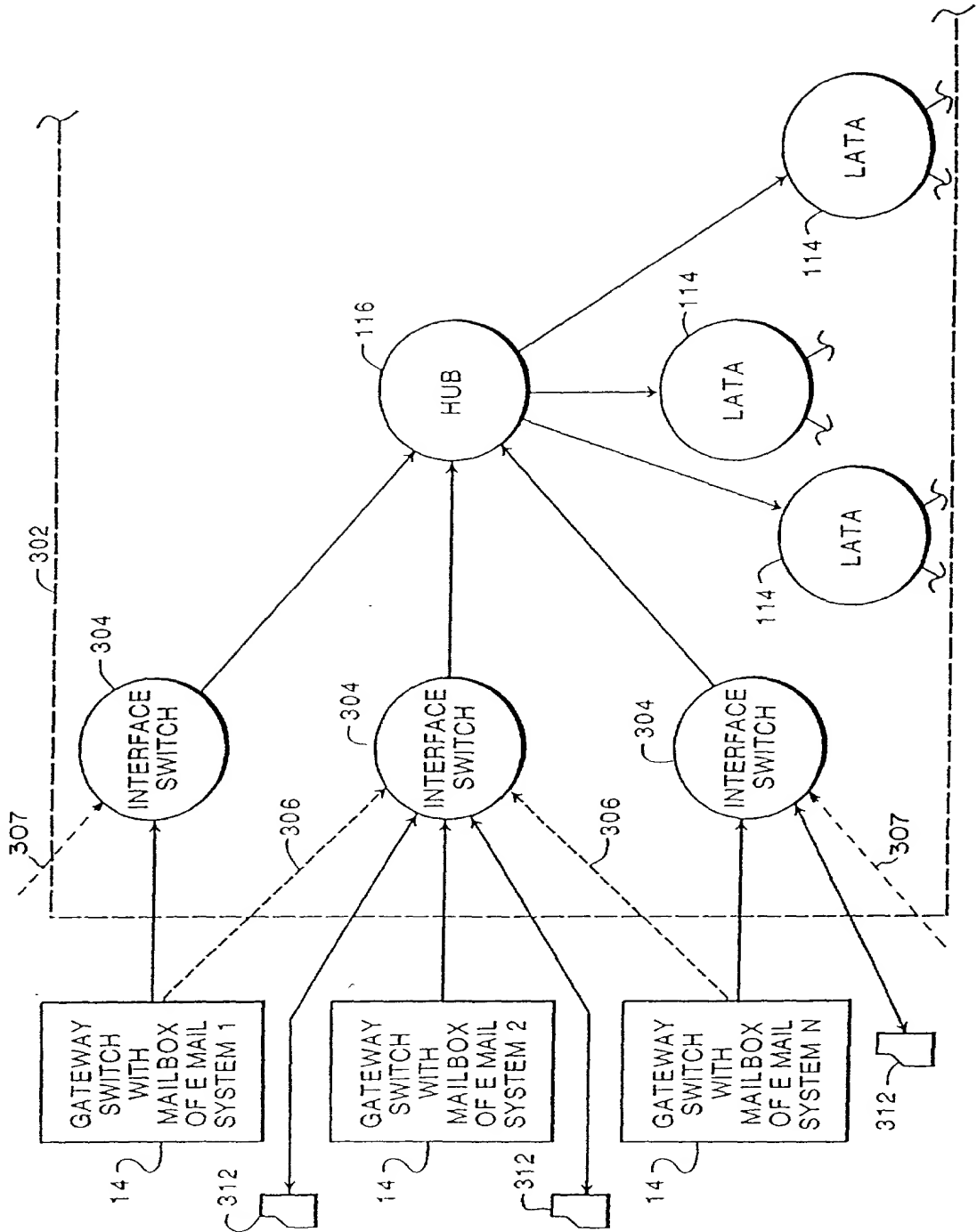
669024-6055460

FIG. 8



60453460

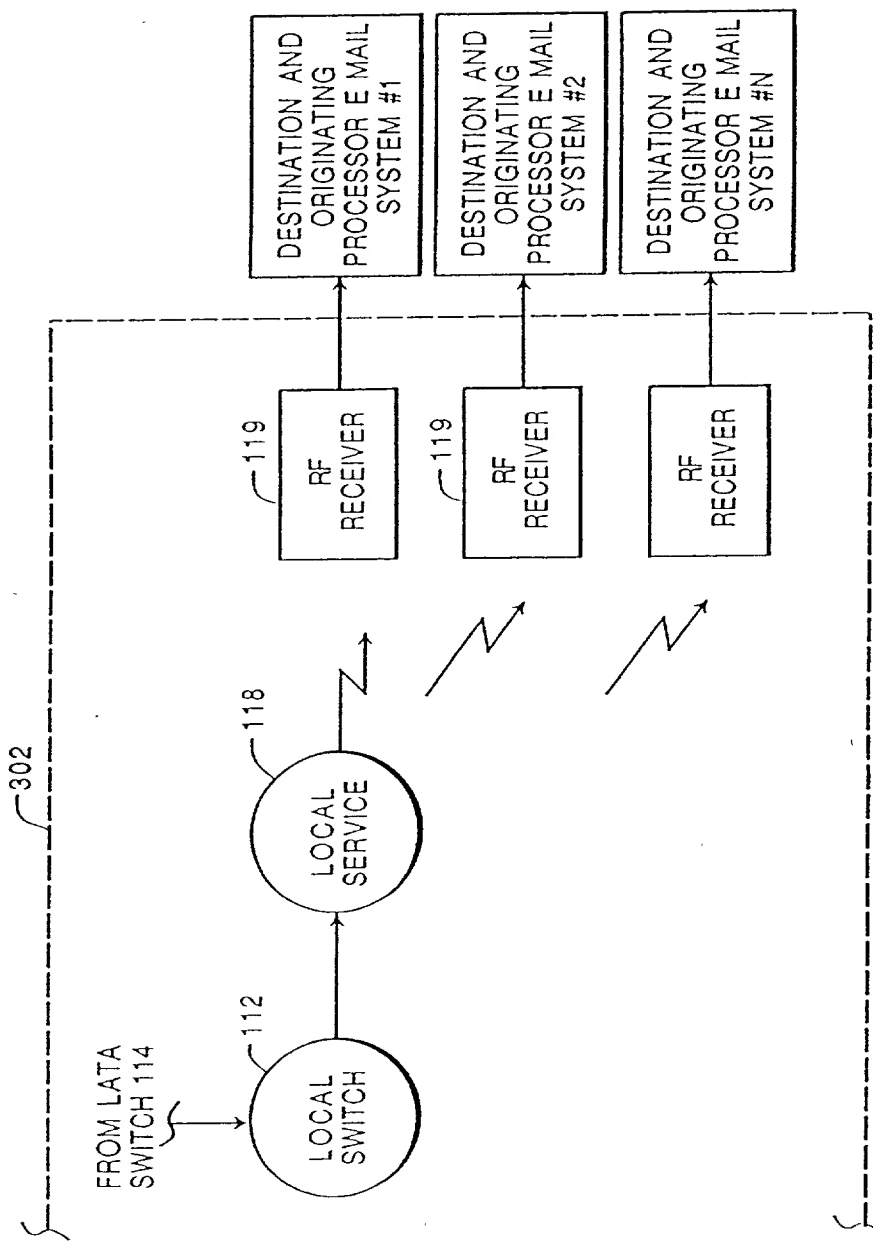
FIG. 9



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

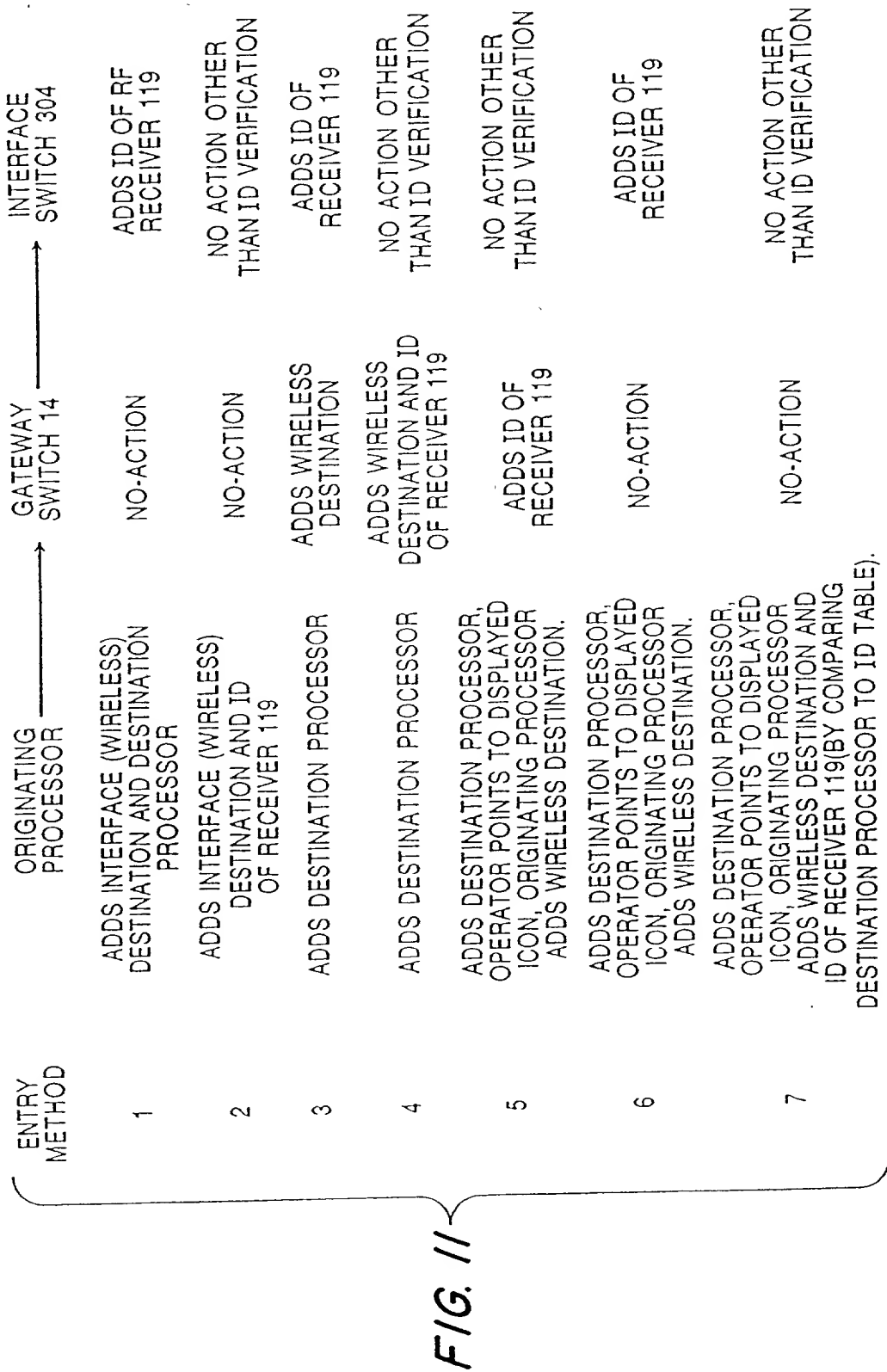
1269027-4045460

FIG. 10



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

669921-6095460



0090460340

FIG. 12

